

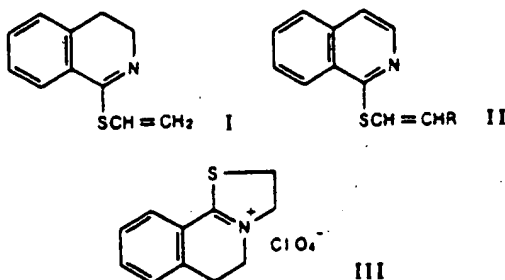
XP-002086826

6001 Chemical Abstracts, Columbus, Ohio, US

Vol.: 96 (1982.) January 4 No. 1

Page: 592

96: 6539m Heterocycles in organic synthesis. III. A facile synthesis of isoquinolinyl vinyl sulfides. Singh, Harjit; Malhotra, Subhash C. (Dep. Chem., Guru Nanak Dev Univ., Amritsar, 143005 India). *Synth. Commun.* 1981, 11(8), 635-8 (Eng). The title compds. I and II (R = H, Me) were prepd. in 65-70% yields by fusion of an appropriate thiazoloisoquinolinium perchlorate with anhyd. K_2CO_3 . Thus, fusion of perchlorate III gave sulfide I.



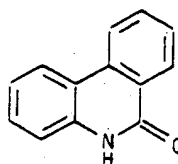
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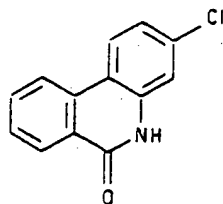
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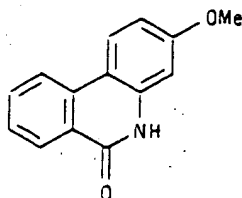
AN 1982:68519 ZCAPLUS
 DN 96:68519
 TI Reaction pathways for arylcarbamoyl radicals and the cyclization of o-substituted phenylcarbamoyl radicals
 AU Leardini, Rino; Tundo, Antonio; Zanardi, Giuseppe
 CS Ist. Chim. Org., Univ. Bologna, Bologna, 40136, Italy
 SO J. Chem. Soc., Perkin Trans. 1 (1981), (12), 3164-7
 CODEN: JCPRB4; ISSN: 0300-922X
 DT Journal
 LA English
 IT 1015-89-0P 20927-47-3P 38088-94-7P 78255-99-9P 80592-37-6P 80592-39-8P
 (prepn. of)
 RN 1015-89-0 ZCAPLUS
 CN 6(5H)-Phenanthridinone (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



RN 20927-47-3 ZCAPLUS
 CN 6(5H)-Phenanthridinone, 3-chloro- (7CI, 8CI, 9CI) (CA INDEX NAME)



RN 38088-94-7 ZCAPLUS
 CN 6(5H)-Phenanthridinone, 3-methoxy- (6CI, 9CI) (CA INDEX NAME)

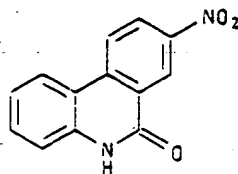


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RN 78255-99-9 ZCAPLUS

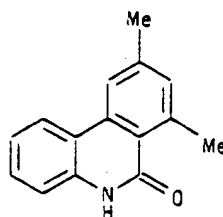
RN 78255-99-9 ZCAPLUS

CN 6(5*H*)-Phenanthridinone, 8-nitro- (6CI, 9CI) (CA INDEX NAME)



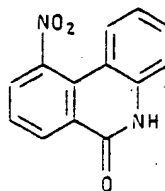
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CN 6(5*H*)-Phenanthridinone, 7,9-dimethyl- (9CI) (CA INDEX NAME)

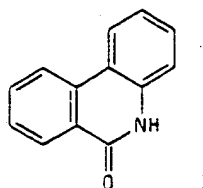


RN 80592-39-8 ZCAPLUS

CN 6(5*H*)-Phenanthridinone, 10-nitro- (9CI) (CA INDEX NAME)



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AB Treatment of *N*-arylformamides with (Me₃CO)₂ gave *N*-arylcabamoyl radicals which underwent a series of reactions depending on the nature and position of the ring substituent. E.g.,

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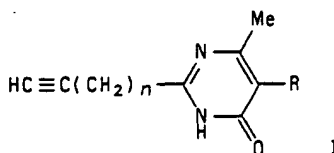
RN 80592-39-8 ZCAPLUS

HCONHPh was treated with $(\text{Me}_3\text{CO})_2$ in ClPh for 48 h at 110° to give 20% $\text{PhNHCO}_2\text{CMe}_3$, 3% each of PhNH_2 , BzNHPh , $(\text{PhNHCO})_2$, *o*- and *m*- $\text{ClC}_6\text{H}_4\text{CONHPh}$, 4% *p*- $\text{ClC}_6\text{H}_4\text{CONHPh}$, and 25% $(\text{PhNH})_2\text{CO}$. *o*-Substituted *N*-phenylformamides underwent intramol. cyclization in addn. to other reactions. E.g., $\text{HCONHC}_6\text{H}_4\text{CN-}o$ was treated as above to give 25% isatin as the main product. Similar treatment of 2-formamidobiphenyls gave phenanthridones in high yields. E.g., phenanthridone I was prepd. in 83% yield from $\text{PhC}_6\text{H}_4\text{NHCHO-}o$.

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L18 ANSWER 99 OF 155 ZCAPLUS COPYRIGHT 1997 ACS
 AN 1984:51538 ZCAPLUS
 DN 100:51538
 TI Cyclization reactions of 2-pentynyl-4-pyrimidinones
 AU Rougeot, Etienne; Moskowitz, Henri; Miocque, Marcel
 CS Lab. Chim. Org., Fac. Pharm., Chatenay-Malabry, 92290, Fr.
 SO J. Heterocycl. Chem. (1983), 20(5), 1407-9
 CODEN: JHTCAD; ISSN: 0022-152X
 DT Journal
 LA French
 GI

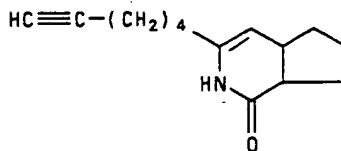


AB Acetylenic amidines $\text{HC}\equiv\text{C}(\text{CH}_2)_n\text{C}(\text{:NH})\text{NH}_2$ ($n = 3, 4$) give, by condensation with β -oxo esters, the pyrimidones I [$\text{R} = \text{H}$, $n = 3, 4$; $\text{R} = \text{CH}_2\text{Ph}$, $(\text{CH}_2)_6\text{C}\equiv\text{CH}$, $n = 3$]. Two types of reaction are obsd. when I are heated without any catalyst. The minor route is a cyclization by attack on a triple bond by the amidic N. The main reaction is a cycloaddn. involving the non-activated triple bond and an azadiene system, leading to tricyclic intermediates which retrocyclize to stable bicyclic compds.

IT ***88513-60-4P***
 (prepn. of)

RN 88513-60-4 ZCAPLUS

CN 1H-Cyclopenta[c]pyridin-1-one, 3-(5-hexynyl)-2,4a,5,6,7,7a-hexahydro- (9CI) (CA INDEX NAME)



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